

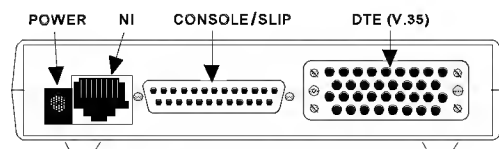
Use this checklist to install and test the Routermate 56K CSU. For reference and additional information, see *Routermate 56K CSU Installation and Operation* (918-6235). If you have any questions during installation, contact Osicom Technologies' Customer Service at (800) 359-2273.

### Line Configured

When ordering a line, specify to the carrier the desired line type and speed. The Routermate 56 can be used on a 2400, 4800, 9600, 19200, or 56000 bps DDS line. It cannot be used on a 64000 bps DDS II line.

### Hardware Configured

A wall-mount transformer and NI cable are included with the unit. Obtain the console and SLIP cables from your terminal and router vendor. See *Installation Checklist* in the manual (Chapter 2).



**Interface Locations**

1. Connect the wall-mount transformer (550-0366-01) to the rear-panel power connector, then plug into a grounded AC power receptacle.
2. Connect a straight-through RS-232 cable from the **Console/SLIP** interface to the RS-232 connector of an ASCII terminal. The ASCII terminal is used for initial software configuration, and can also be used to manage the Routermate.

#### NOTES

The *Console Mode* parameter on the Unit Menu configures the **Console/SLIP** port for either terminal or SLIP operation. The default is terminal.

Jumpers on the internal circuit card configure the **Console/SLIP** port as a DCE (default) or DTE.

For instructions on how to set the jumpers, see *Terminal Management* in the manual (Chapter 2).

3. Turn on the terminal and configure the terminal for:

|               |                    |
|---------------|--------------------|
| Rate:         | 9600 bps           |
| Mode:         | full duplex        |
| Character:    | 8 bits             |
| Stop bits:    | 1                  |
| Parity:       | none               |
| Flow control: | DC1/DC3 (Xon/Xoff) |

4. After configuring the software (see below) connect the **NI cable** (115-0414-004) from the Routermate's modular connector to the RJ48S Telco jack.
5. After configuring the software (see below) connect a **V.35 cable** from the Routermate's V.35 connector to the V.35 interface on your DTE equipment (router or terminal server).

### Software Configured

TERMINAL KEYS TO USE ARE DISPLAYED AT THE BOTTOM OF EACH SCREEN.

1. Using the ASCII terminal, press **[CTRL-N]** to display the Routermate Terminal Selection screen.
2. Select the correct terminal type from the list of available types.
3. Press **[CR]** (the default password) to display the Main Menu.
4. Access the Configuration Menu.
  - Select the desired speed. 56000 bps is the default. Set the speed to match the speed of the line provided by the carrier. Most DDS lines are 56000 bps lines.
  - Set the Timing option to *Repeater* (default). This setting will work in most systems; however, applications such as tail circuit or limited distance line driver require different settings.

See *Configuration Menu* in the manual (Chapter 3) for additional information.

## Unit Tested

After all the cables are connected and you have completed the initial software configuration, the Routermate should be able to communicate with the DDS network. Verify this as follows:

1. At the Main Menu, select Diagnostics.
2. At the DSU Diagnostics screen, check the Line Status field. One or more of the following conditions can appear, depending on the current operating mode.

**Idle** - The Routermate is receiving Control Mode Idle from the network.

**Data Mode** - The Routermate is receiving user's data from the remote unit.

**Loss of Signal** – No inbound signal is detected.

**OOS/OOF** - The Routermate is receiving the Out of Service or Out of Frame signal from the Telco.

The Line Status field should indicate **Idle** or **Data Mode**.

If the Line Status field displays *OOS/OOF*, it indicates a network problem.

If the Line Status field displays *Loss of Signal*, perform a Local Loop test to verify correct operation of the Routermate 56.

When the Local Loop test is set, the Line Status field should indicate *Data Mode*. If the Line Status field does not display *Data Mode* when Local Loop is set, it indicates a problem with the unit.

If the Line Status field displays *Data Mode* when Local Loop is set, but indicates *Loss of Signal* when the test is cleared, it indicates a problem with the network.

See *DSU Diagnostics* in the manual (Chapter 3) for additional information.

## Management Configured

If SNMP or Telnet are used to manage the Routermate, access the Management Menu and configure the following parameters:

- **Internet Address** - Before SNMP or Telnet management can be used, assign an Internet Protocol (IP) Address to the Routermate.
- **Access via telnet** - Before Telnet management can be used, set this option to *Enabled*.
- **Community Strings** - Before SNMP management can be used, configure the community strings to match the strings used by the SNMP management station.

After you configure the parameters above, go to the Unit Menu and change the *Console Mode* option to SLIP. When you exit the Unit Menu, you are prompted, *Must restart to install new Console Mode*. Access the System Restart screen and perform a software restart or power cycle the unit.

See *SLIP Management* in Chapter 2 and *Unit Menu* and *Management Menu* in Chapter 3 for additional information.